

Message

**From:** Nonresponsive based on revised scope  
**Sent:** 8/8/2019 9:39:14 PM  
**To:** Wagner, Christine [Wagner.Christine@epa.gov]; Duffy, Jessica [Duffy.Jessica@epa.gov]; Nonresponsive based on revised scope  
**CC:** **Nonresponsive based on revised scope**  
**Subject:** RE: Shiloh  
**Attachments:** SHILOH\_SURVEY\_PROGRESS\_20190807.pdf

Updated gamma walkover map through yesterday.

Shows a few spots that match up well with the staked areas, and a few that are not identified by staked locations.

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**From:** Nonresponsive based on revised scope  
**Sent:** Monday, August 5, 2019 11:52 AM  
**To:** 'Wagner, Christine' <Wagner.Christine@epa.gov>; 'Duffy, Jessica' <Duffy.Jessica@epa.gov>; Nonresponsive based on revised scope  
**Subject:** **Nonresponsive based on revised scope**  
**Subject:** RE: Shiloh

Attached is a map showing the gamma walkover survey progress through August 1<sup>st</sup>. Once we get additional data from the walkover conducted Friday and after that we will send out an update.

Right now we are simply color coding as follows:

- Green: Less than 2x background
- Yellow: 2x – 3x background
- Red: >3x background

Background is about 8,000 cpm. I will have the legend/language updated on the next iteration.

We will also update the map to show the staked areas for additional followup/excavation.

If anyone would like any other changes, please let me know.

Nonresponsive based on revised scope

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**From:** Nonresponsive based on revised scope  
**Sent:** Wednesday, July 31, 2019 3:30 PM  
**To:** 'Wagner, Christine' <Wagner.Christine@epa.gov>; 'Duffy, Jessica' <Duffy.Jessica@epa.gov>; Nonresponsive based on revised scope  
**Subject:** **Nonresponsive based on revised scope**  
**Nonresponsive based on revised scope** 'mccauley.joanna@epa.gov'  
<mccauley.joanna@epa.gov>  
**Subject:** RE: Shiloh

Attached is the air monitoring for from 7/26. All samples were non-detect.

Also attached is a spectra and details regarding Bucket 017. I used this as an example to show confirmation of Radium-226 in case it is useful for anyone. I will plan on include a couple of these in the report just for documentation of the isotope, but won't do every bucket unless it's helpful for anything.

If you have any questions, please let me know.

Nonresponsive based on revised scope

From: Nonresponsive based on revised scope

Sent: Tuesday, July 30, 2019 10:33 AM

To: Wagner, Christine <Wagner.Christine@epa.gov>; Duffy, Jessica <Duffy.Jessica@epa.gov>; Nonresponsive based on revised scope

**Nonresponsive based on revised scope**

Nonresponsive based on revised scope mccauley.joanna@epa.gov

Subject: RE: Shiloh

Attached are air monitoring forms from 7/24 and 7/25 last week. All samples were non-detect.

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From: Nonresponsive based on revised scope

Sent: Monday, July 29, 2019 9:24 AM

To: 'Wagner, Christine' <Wagner.Christine@epa.gov>; Duffy, Jessica (Duffy.Jessica@epa.gov) <Duffy.Jessica@epa.gov>;

**Nonresponsive based on revised scope**

Subject: RE: Shiloh

Attached are the forms from last week, including:

- Conex Survey on Friday, 7/26/19, at end of day. While we used the other buckets to shield the 1,000 uR/hour bucket, I will adjust them to try and provide more shielding on the outer side. Greatest exterior reading was 267 uR/hour. Front of conex and general storage conex readings were 38 and 17 uR/hour, respectively.
- Contamination Control Survey collected on Thursday, 7/25/19. No removable contamination was found on areas in the support zone.
- Air Sampling Summary from Monday, 7/22/19. Entries were only for a couple hours, so detection limits were relatively high, but samples were all non-detect. No air monitoring was conducted on 7/23 due to heavy rain.

If you have any questions, please let me know.

Nonresponsive based on revised scope

**From:** Nonresponsive based on revised scope  
**Sent:** Thursday, July 25, 2019 10:10 PM  
**To:** Wagner, Christine <Wagner.Christine@epa.gov>; Duffy, Jessica (Duffy.Jessica@epa.gov) <Duffy.Jessica@epa.gov>;

# Nonresponsive based on revised scope

**Subject:** Shiloh

Chris,

Attached are the forms providing the backup data for the following:

- Survey of the Rad Storage Conex conducted on Thursday, 7/25/19, indicated a maximum area exposure rate of 239  $\mu\text{R/hr}$  inside the conex, and 79  $\mu\text{R/hr}$  on contact with the exterior side of the conex. The front of the conex and within the adjacent general storage conex, where workers will likely be, were 17.5 and 11.5  $\mu\text{R/hr}$  respectively, less than 2x background.
- Contamination Control Survey conducted on Wednesday, 7/24/19, indicated no removable contamination within support areas.

A total of 12 containers (11 buckets, 1 bagged item), have been staged in the rad conex at this point. All containers have been identified as containing Radium-226.

Air monitoring forms for the limited work activities on Monday should be completed tomorrow (allowing enough time for radon decay).

If you have any questions, please let me know.

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